

SEQUENCE LISTING

<110> Chen, Xiaojiang
Holers, V. Michael

<120> THREE-DIMENSIONAL STRUCTURE OF COMPLEMENT RECEPTOR TYPE 2 AND USES THEREOF

<130> 2848-43

<160> 9

<170> PatentIn version 3.0

<210> 1

<211> 1033

<212> PRT

<213> Homo sapiens

<400> 1

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Met Gly Ala Ala Gly Leu Leu Gly Val Phe Leu Ala Leu Val Ala Pro
1           5           10           15

Gly Val Leu Gly Ile Ser Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly
          20           25           30

Arg Ile Ser Tyr Tyr Ser Thr Pro Ile Ala Val Gly Thr Val Ile Arg
          35           40           45

Tyr Ser Cys Ser Gly Thr Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu
          50           55           60

Cys Ile Thr Lys Asp Lys Val Asp Gly Thr Trp Asp Lys Pro Ala Pro
65           70           75           80

Lys Cys Glu Tyr Phe Asn Lys Tyr Ser Ser Cys Pro Glu Pro Ile Val
          85           90           95

Pro Gly Gly Tyr Lys Ile Arg Gly Ser Thr Pro Tyr Arg His Gly Asp
          100          105          110

Ser Val Thr Phe Ala Cys Lys Thr Asn Phe Ser Met Asn Gly Asn Lys
          115          120          125

Ser Val Trp Cys Gln Ala Asn Asn Met Trp Gly Pro Thr Arg Leu Pro
          130          135          140

Thr Cys Val Ser Val Phe Pro Leu Glu Cys Pro Ala Leu Pro Met Ile
145          150          155          160

His Asn Gly His His Thr Ser Glu Asn Val Gly Ser Ile Ala Pro Gly
          165          170          175

Leu Ser Val Thr Tyr Ser Cys Glu Ser Gly Tyr Leu Leu Val Gly Glu
          180          185          190

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Lys Ile Ile Asn Cys Leu Ser Ser Gly Lys Trp Ser Ala Val Pro Pro
    195                      200                      205

Thr Cys Glu Glu Ala Arg Cys Lys Ser Leu Gly Arg Phe Pro Asn Gly
    210                      215                      220

Lys Val Lys Glu Pro Pro Ile Leu Arg Val Gly Val Thr Ala Asn Phe
    225                      230                      235                      240

Phe Cys Asp Glu Gly Tyr Arg Leu Gln Gly Pro Pro Ser Ser Arg Cys
    245                      250                      255

Val Ile Ala Gly Gln Gly Val Ala Trp Thr Lys Met Pro Val Cys Glu
    260                      265                      270

Glu Ile Phe Cys Pro Ser Pro Pro Pro Ile Leu Asn Gly Arg His Ile
    275                      280                      285

Gly Asn Ser Leu Ala Asn Val Ser Tyr Gly Ser Ile Val Thr Tyr Thr
    290                      295                      300

Cys Asp Pro Asp Pro Glu Glu Gly Val Asn Phe Ile Leu Ile Gly Glu
    305                      310                      315                      320

Ser Thr Leu Arg Cys Thr Val Asp Ser Gln Lys Thr Gly Thr Trp Ser
    325                      330                      335

Gly Pro Ala Pro Arg Cys Glu Leu Ser Thr Ser Ala Val Gln Cys Pro
    340                      345                      350

His Pro Gln Ile Leu Arg Gly Arg Met Val Ser Gly Gln Lys Asp Arg
    355                      360                      365

Tyr Thr Tyr Asn Asp Thr Val Ile Phe Ala Cys Met Phe Gly Phe Thr
    370                      375                      380

Leu Lys Gly Ser Lys Gln Ile Arg Cys Asn Ala Gln Gly Thr Trp Glu
    385                      390                      395                      400

Pro Ser Ala Pro Val Cys Glu Lys Glu Cys Gln Ala Pro Pro Asn Ile
    405                      410                      415

Leu Asn Gly Gln Lys Glu Asp Arg His Met Val Arg Phe Asp Pro Gly
    420                      425                      430

Thr Ser Ile Lys Tyr Ser Cys Asn Pro Gly Tyr Val Leu Val Gly Glu
    435                      440                      445

Glu Ser Ile Gln Cys Thr Ser Glu Gly Val Trp Thr Pro Pro Val Pro
    450                      455                      460

Gln Cys Lys Val Ala Ala Cys Glu Ala Thr Gly Arg Gln Leu Leu Thr
    465                      470                      475                      480

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Lys Pro Gln His Gln Phe Val Arg Pro Asp Val Asn Ser Ser Cys Gly
 485 490 495
 Glu Gly Tyr Lys Leu Ser Gly Ser Val Tyr Gln Glu Cys Gln Gly Thr
 500 505 510
 Ile Pro Trp Phe Met Glu Ile Arg Leu Cys Lys Glu Ile Thr Cys Pro
 515 520 525
 Pro Pro Pro Val Ile Tyr Asn Gly Ala His Thr Gly Ser Ser Leu Glu
 530 535 540
 Asp Phe Pro Tyr Gly Thr Thr Val Thr Tyr Thr Cys Asn Pro Gly Pro
 545 550 555 560
 Glu Arg Gly Val Glu Phe Ser Leu Ile Gly Glu Ser Thr Ile Arg Cys
 565 570 575
 Thr Ser Asn Asp Gln Glu Arg Gly Thr Trp Ser Gly Pro Ala Pro Leu
 580 585 590
 Cys Lys Leu Ser Leu Leu Ala Val Gln Cys Ser His Val His Ile Ala
 595 600 605
 Asn Gly Tyr Lys Ile Ser Gly Lys Glu Ala Pro Tyr Phe Tyr Asn Asp
 610 615 620
 Thr Val Thr Phe Lys Cys Tyr Ser Gly Phe Thr Leu Lys Gly Ser Ser
 625 630 635 640
 Gln Ile Arg Cys Lys Ala Asp Asn Thr Trp Asp Pro Glu Ile Pro Val
 645 650 655
 Cys Glu Lys Glu Thr Cys Gln His Val Arg Gln Ser Leu Gln Glu Leu
 660 665 670
 Pro Ala Gly Ser Arg Val Glu Leu Val Asn Thr Ser Cys Gln Asp Gly
 675 680 685
 Tyr Gln Leu Thr Gly His Ala Tyr Gln Met Cys Gln Asp Ala Glu Asn
 690 695 700
 Gly Ile Trp Phe Lys Lys Ile Pro Leu Cys Lys Val Ile His Cys His
 705 710 715 720
 Pro Pro Pro Val Ile Val Asn Gly Lys His Thr Gly Met Met Ala Glu
 725 730 735
 Asn Phe Leu Tyr Gly Asn Glu Val Ser Tyr Glu Cys Asp Gln Gly Phe
 740 745 750
 Tyr Leu Leu Gly Glu Lys Lys Leu Gln Cys Arg Ser Asp Ser Lys Gly
 755 760 765
 His Gly Ser Trp Ser Gly Pro Ser Pro Gln Cys Leu Arg Ser Pro Pro

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770              775              780
Val Thr Arg Cys Pro Asn Pro Glu Val Lys His Gly Tyr Lys Leu Asn
785              790              795              800

Lys Thr His Ser Ala Tyr Ser His Asn Asp Ile Val Tyr Val Asp Cys
805              810              815

Asn Pro Gly Phe Ile Met Asn Gly Ser Arg Val Ile Arg Cys His Thr
820              825              830

Asp Asn Thr Trp Val Pro Gly Val Pro Thr Cys Met Lys Lys Ala Phe
835              840              845

Ile Gly Cys Pro Pro Pro Pro Lys Thr Pro Asn Gly Asn His Thr Gly
850              855              860

Gly Asn Ile Ala Arg Phe Ser Pro Gly Met Ser Ile Leu Tyr Ser Cys
865              870              875              880

Asp Gln Gly Tyr Leu Leu Val Gly Glu Ala Leu Leu Leu Cys Thr His
885              890              895

Glu Gly Thr Trp Ser Gln Pro Ala Pro His Cys Lys Glu Val Asn Cys
900              905              910

Ser Ser Pro Ala Asp Met Asp Gly Ile Gln Lys Gly Leu Glu Pro Arg
915              920              925

Lys Met Tyr Gln Tyr Gly Ala Val Val Thr Leu Glu Cys Glu Asp Gly
930              935              940

Tyr Met Leu Glu Gly Ser Pro Gln Ser Gln Cys Gln Ser Asp His Gln
945              950              955              960

Trp Asn Pro Pro Leu Ala Val Cys Arg Ser Arg Ser Leu Ala Pro Val
965              970              975

Leu Cys Gly Ile Ala Ala Gly Leu Ile Leu Leu Thr Phe Leu Ile Val
980              985              990

Ile Thr Leu Tyr Val Ile Ser Lys His Arg Glu Arg Asn Tyr Tyr Thr
995              1000              1005

Asp Thr Ser Gln Lys Glu Ala Phe His Leu Glu Ala Arg Glu Val
1010              1015              1020

Tyr Ser Val Asp Pro Tyr Asn Pro Ala Ser
1025              1030

<210> 2
<211> 60
<212> PRT
<213> Homo sapiens

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<400> 2

Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly Arg Ile Ser Tyr Tyr Ser
 1 5 10 15
 Thr Pro Ile Ala Val Gly Thr Val Ile Arg Tyr Ser Cys Ser Gly Thr
 20 25 30
 Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu Cys Ile Thr Lys Asp Lys
 35 40 45
 Val Asp Gly Thr Trp Asp Lys Pro Ala Pro Lys Cys
 50 55 60

<210> 3

<211> 56

<212> PRT

<213> Homo sapiens

<400> 3

Cys Pro Glu Pro Ile Val Pro Gly Gly Tyr Lys Ile Arg Gly Ser Thr
 1 5 10 15
 Pro Tyr Arg His Gly Asp Ser Val Thr Phe Ala Cys Lys Thr Asn Phe
 20 25 30
 Ser Met Asn Gly Asn Lys Ser Val Trp Cys Gln Ala Asn Asn Met Trp
 35 40 45
 Gly Pro Thr Arg Leu Pro Thr Cys
 50 55

<210> 4

<211> 134

<212> PRT

<213> Homo sapiens

<400> 4

Gly Ile Ser Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly Arg Ile Ser
 1 5 10 15
 Tyr Tyr Ser Thr Pro Ile Ala Val Gly Thr Val Ile Arg Tyr Ser Cys
 20 25 30
 Ser Gly Thr Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu Cys Ile Thr
 35 40 45
 Lys Asp Lys Val Asp Gly Thr Trp Asp Lys Pro Ala Pro Lys Cys Glu
 50 55 60
 Tyr Phe Asn Lys Tyr Ser Ser Cys Pro Glu Pro Ile Val Pro Gly Gly
 65 70 75 80

Tyr Lys Ile Arg Gly Ser Thr Pro Tyr Arg His Gly Asp Ser Val Thr
 85 90 95

Phe Ala Cys Lys Thr Asn Phe Ser Met Asn Gly Asn Lys Ser Val Trp
 100 105 110

Cys Gln Ala Asn Asn Met Trp Gly Pro Thr Arg Leu Pro Thr Cys Val
 115 120 125

Ser Val Phe Pro Leu Glu
 130

<210> 5

<211> 1025

<212> PRT

<213> Mus musculus

<400> 5

Met Leu Thr Trp Phe Leu Phe Tyr Phe Ser Glu Ile Ser Cys Asp Pro
 1 5 10 15

Pro Pro Glu Val Lys Asn Ala Arg Lys Pro Tyr Tyr Ser Leu Pro Ile
 20 25 30

Val Pro Gly Thr Val Leu Arg Tyr Thr Cys Ser Pro Ser Tyr Arg Leu
 35 40 45

Ile Gly Glu Lys Ala Ile Phe Cys Ile Ser Glu Asn Gln Val His Ala
 50 55 60

Thr Trp Asp Lys Ala Pro Pro Ile Cys Glu Ser Val Asn Lys Thr Ile
 65 70 75 80

Ser Cys Ser Asp Pro Ile Val Pro Gly Gly Phe Met Asn Lys Gly Ser
 85 90 95

Lys Ala Pro Phe Arg His Gly Asp Ser Val Thr Phe Thr Cys Lys Ala
 100 105 110

Asn Phe Thr Met Lys Gly Ser Lys Thr Val Trp Cys Gln Ala Asn Glu
 115 120 125

Met Trp Gly Pro Thr Ala Leu Pro Val Cys Glu Ser Asp Phe Pro Leu
 130 135 140

Glu Cys Pro Ser Leu Pro Thr Ile His Asn Gly His His Thr Gly Gln
 145 150 155 160

His Val Asp Gln Phe Val Ala Gly Leu Ser Val Thr Tyr Ser Cys Glu
 165 170 175

Pro Gly Tyr Leu Leu Thr Gly Lys Lys Thr Ile Lys Cys Leu Ser Ser
 180 185 190

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Gly Asp Trp Asp Gly Val Ile Pro Thr Cys Lys Glu Ala Gln Cys Glu
   195                               200               205

His Pro Gly Lys Phe Pro Asn Gly Gln Val Lys Glu Pro Leu Ser Leu
   210                               215               220

Gln Val Gly Thr Thr Val Tyr Phe Ser Cys Asn Glu Gly Tyr Gln Leu
   225                               230               235               240

Gln Gly Gln Pro Ser Ser Gln Cys Val Ile Val Glu Gln Lys Ala Ile
   245                               250               255

Trp Thr Lys Lys Pro Val Cys Lys Glu Ile Leu Cys Pro Pro Pro Pro
   260                               265               270

Pro Val Arg Asn Gly Ser His Thr Gly Ser Phe Ser Glu Asn Val Pro
   275                               280               285

Tyr Gly Ser Thr Val Thr Tyr Thr Cys Asp Pro Ser Pro Glu Lys Gly
   290                               295               300

Val Ser Phe Thr Leu Ile Gly Glu Lys Thr Ile Asn Cys Thr Thr Gly
   305                               310               315               320

Ser Gln Lys Thr Gly Ile Trp Ser Gly Pro Ala Pro Tyr Cys Val Leu
   325                               330               335

Ser Thr Ser Ala Val Leu Cys Leu Gln Pro Lys Ile Lys Arg Gly Gln
   340                               345               350

Ile Leu Ser Ile Leu Lys Asp Ser Tyr Ser Tyr Asn Asp Thr Val Ala
   355                               360               365

Phe Ser Cys Glu Pro Gly Phe Thr Leu Lys Gly Asn Arg Ser Ile Arg
   370                               375               380

Cys Asn Ala His Gly Thr Trp Glu Pro Pro Val Pro Val Cys Glu Lys
   385                               390               395               400

Gly Cys Gln Ala Pro Pro Lys Ile Ile Asn Gly Gln Lys Glu Asp Ser
   405                               410               415

Tyr Leu Leu Asn Phe Asp Pro Gly Thr Ser Ile Arg Tyr Ser Cys Asp
   420                               425               430

Pro Gly Tyr Leu Leu Val Gly Glu Asp Thr Ile His Cys Thr Pro Glu
   435                               440               445

Gly Lys Trp Thr Pro Ile Thr Pro Gln Cys Thr Val Ala Glu Cys Lys
   450                               455               460

Pro Val Gly Pro His Leu Phe Lys Arg Pro Gln Asn Gln Phe Ile Arg
   465                               470               475               480

Thr Ala Val Asn Ser Ser Cys Asp Glu Gly Phe Gln Leu Ser Glu Ser

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485										490					495				
Ala	Tyr	Gln	Leu	Cys	Gln	Gly	Thr	Ile	Pro	Trp	Phe	Ile	Glu	Ile	Arg				
			500					505					510						
Leu	Cys	Lys	Glu	Ile	Thr	Cys	Pro	Pro	Pro	Pro	Val	Ile	His	Asn	Gly				
		515					520					525							
Thr	His	Thr	Trp	Ser	Ser	Ser	Glu	Asp	Val	Pro	Tyr	Gly	Thr	Val	Val				
	530					535					540								
Thr	Tyr	Met	Cys	Tyr	Pro	Gly	Pro	Glu	Glu	Gly	Val	Lys	Phe	Lys	Leu				
545					550					555					560				
Ile	Gly	Glu	Gln	Thr	Ile	His	Cys	Thr	Ser	Asp	Ser	Arg	Gly	Arg	Gly				
				565					570					575					
Ser	Trp	Ser	Ser	Pro	Ala	Pro	Leu	Cys	Lys	Leu	Ser	Leu	Pro	Ala	Val				
			580					585					590						
Gln	Cys	Thr	Asp	Val	His	Val	Glu	Asn	Gly	Val	Lys	Leu	Thr	Asp	Asn				
		595					600					605							
Lys	Ala	Pro	Tyr	Phe	Tyr	Asn	Asp	Ser	Val	Met	Phe	Lys	Cys	Asp	Asp				
	610					615					620								
Gly	Tyr	Ile	Leu	Ser	Gly	Ser	Ser	Gln	Ile	Arg	Cys	Lys	Ala	Asn	Asn				
625					630						635				640				
Thr	Trp	Asp	Pro	Glu	Lys	Pro	Leu	Cys	Lys	Lys	Glu	Gly	Cys	Glu	Pro				
				645					650					655					
Met	Arg	Val	His	Gly	Leu	Pro	Asp	Asp	Ser	His	Ile	Lys	Leu	Val	Lys				
			660					665					670						
Arg	Thr	Cys	Gln	Asn	Gly	Tyr	Gln	Leu	Thr	Gly	Tyr	Thr	Tyr	Glu	Lys				
		675					680					685							
Cys	Gln	Asn	Ala	Glu	Asn	Gly	Thr	Trp	Phe	Lys	Lys	Ile	Glu	Val	Cys				
		690				695					700								
Thr	Val	Ile	Leu	Cys	Gln	Pro	Pro	Pro	Lys	Ile	Ala	Asn	Gly	Gly	His				
705					710						715				720				
Thr	Gly	Met	Met	Ala	Lys	His	Phe	Leu	Tyr	Gly	Asn	Glu	Val	Ser	Tyr				
				725					730					735					
Glu	Cys	Asp	Glu	Gly	Phe	Tyr	Leu	Leu	Gly	Glu	Lys	Ser	Leu	Gln	Cys				
			740					745					750						
Val	Asn	Asp	Ser	Lys	Gly	His	Gly	Ser	Trp	Ser	Gly	Pro	Pro	Pro	Gln				
		755					760					765							
Cys	Leu	Gln	Ser	Ser	Pro	Leu	Thr	His	Cys	Pro	Asp	Pro	Glu	Val	Lys				
		770				775					780								


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His Gly Tyr Lys Leu Asn Lys Thr His Ser Ala Phe Ser His Asn Asp
785                      790                      795                      800

Ile Val His Phe Val Cys Asn Gln Gly Phe Ile Met Asn Gly Ser His
                        805                      810                      815

Leu Ile Arg Cys His Thr Asn Asn Thr Trp Leu Pro Gly Val Pro Thr
                        820                      825                      830

Cys Ile Arg Lys Ala Ser Leu Gly Cys Gln Ser Pro Ser Thr Ile Pro
                        835                      840                      845

Asn Gly Asn His Thr Gly Gly Ser Ile Ala Arg Phe Pro Pro Gly Met
850                      855                      860

Ser Val Met Tyr Ser Cys Tyr Gln Gly Phe Leu Met Ala Gly Glu Ala
865                      870                      875                      880

Arg Leu Ile Cys Thr His Glu Gly Thr Trp Ser Gln Pro Pro Pro Phe
                        885                      890                      895

Cys Lys Glu Val Asn Cys Ser Phe Pro Glu Asp Thr Asn Gly Ile Gln
                        900                      905                      910

Lys Gly Phe Gln Pro Gly Lys Thr Tyr Arg Phe Gly Ala Thr Val Thr
915                      920                      925

Leu Glu Cys Glu Asp Gly Tyr Thr Leu Glu Gly Ser Pro Gln Ser Gln
930                      935                      940

Cys Gln Asp Asp Ser Gln Trp Asn Pro Pro Leu Ala Leu Cys Lys Tyr
945                      950                      955                      960

Arg Arg Trp Ser Thr Ile Pro Leu Ile Cys Gly Ile Ser Val Gly Ser
                        965                      970                      975

Ala Leu Ile Ile Leu Met Ser Val Gly Phe Cys Met Ile Leu Lys His
980                      985                      990

Arg Glu Ser Asn Tyr Tyr Thr Lys Thr Arg Pro Lys Glu Gly Ala Leu
995                      1000                      1005

His Leu Glu Thr Arg Glu Val Tyr Ser Ile Asp Pro Tyr Asn Pro
1010                      1015                      1020

Ala Ser
1025

<210> 6
<211> 135
<212> PRT
<213> Mus musculus

<400> 6

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Glu Ile Ser Cys Asp Pro Pro Pro Glu Val Lys Asn Ala Arg Lys Pro
1 5 10 15

Tyr Tyr Ser Leu Pro Ile Val Pro Gly Thr Val Leu Arg Tyr Thr Cys
20 25 30

Ser Pro Ser Tyr Arg Leu Ile Gly Glu Lys Ala Ile Phe Cys Ile Ser
35 40 45

Glu Asn Gln Val His Ala Thr Trp Asp Lys Ala Pro Pro Ile Cys Glu
50 55 60

Ser Val Asn Lys Thr Ile Ser Cys Ser Asp Pro Ile Val Pro Gly Gly
65 70 75 80

Phe Met Asn Lys Gly Ser Lys Ala Pro Phe Arg His Gly Asp Ser Val
85 90 95

Thr Phe Thr Cys Lys Ala Asn Phe Thr Met Lys Gly Ser Lys Thr Val
100 105 110

Trp Cys Gln Ala Asn Glu Met Trp Gly Pro Thr Ala Leu Pro Val Cys
115 120 125

Glu Ser Asp Phe Pro Leu Glu
130 135

<210> 7
<211> 310
<212> PRT
<213> Homo sapiens

<400> 7

Met Leu Asp Ala Glu Arg Leu Lys His Leu Ile Val Thr Pro Ser Gly
1 5 10 15

Ala Gly Glu Gln Asn Met Ile Gly Met Thr Pro Thr Val Ile Ala Val
20 25 30

His Tyr Leu Asp Glu Thr Glu Gln Trp Glu Lys Phe Gly Leu Glu Lys
35 40 45

Arg Gln Gly Ala Leu Glu Leu Ile Lys Lys Gly Tyr Thr Gln Gln Leu
50 55 60

Ala Phe Arg Gln Pro Ser Ser Ala Phe Ala Ala Phe Val Lys Arg Ala
65 70 75 80

Pro Ser Thr Trp Leu Thr Ala Tyr Val Val Lys Val Phe Ser Leu Ala
85 90 95

Val Asn Leu Ile Ala Ile Asp Ser Gln Val Leu Cys Gly Ala Val Lys
100 105 110

Trp Leu Ile Leu Glu Lys Gln Lys Pro Asp Gly Val Phe Gln Glu Asp
115 120 125

Ala Pro Val Ile His Gln Glu Met Ile Gly Gly Leu Arg Asn Asn Asn
130 135 140

Glu Lys Asp Met Ala Leu Thr Ala Phe Val Leu Ile Ser Leu Gln Glu
145 150 155 160

Ala Lys Asp Ile Cys Glu Glu Gln Val Asn Ser Leu Pro Gly Ser Ile
165 170 175

Thr Lys Ala Gly Asp Phe Leu Glu Ala Asn Tyr Met Asn Leu Gln Arg
180 185 190

Ser Tyr Thr Val Ala Ile Ala Gly Tyr Ala Leu Ala Gln Met Gly Arg
195 200 205

Leu Lys Gly Pro Leu Leu Asn Lys Phe Leu Thr Thr Ala Lys Asp Lys
210 215 220

Asn Arg Trp Glu Asp Pro Gly Lys Gln Leu Tyr Asn Val Glu Ala Thr
225 230 235 240

Ser Tyr Ala Leu Leu Ala Leu Leu Gln Leu Lys Asp Phe Asp Phe Val
245 250 255

Pro Pro Val Val Arg Trp Leu Asn Glu Gln Arg Tyr Tyr Gly Gly Gly
260 265 270

Tyr Gly Ser Thr Gln Ala Thr Phe Met Val Phe Gln Ala Leu Ala Gln
275 280 285

Tyr Gln Lys Asp Ala Pro Asp His Gln Glu Leu Asn Leu Asp Val Ser
290 295 300

Leu Gln Leu Pro Ser Arg
305 310

<210> 8

<211> 310

<212> PRT

<213> Homo sapiens

<400> 8

Met Leu Asp Ala Glu Arg Leu Lys His Leu Ile Val Thr Pro Ser Gly
1 5 10 15

Ala Gly Glu Gln Asn Met Ile Gly Met Thr Pro Thr Val Ile Ala Val
20 25 30

His Tyr Leu Asp Glu Thr Glu Gln Trp Glu Lys Phe Gly Leu Glu Lys
35 40 45

```

Arg Gln Gly Ala Leu Glu Leu Ile Lys Lys Gly Tyr Thr Gln Gln Leu
 50                      55                      60

Ala Phe Arg Gln Pro Ser Ser Ala Phe Ala Ala Phe Val Lys Arg Ala
65                      70                      75                      80

Pro Ser Thr Trp Leu Thr Ala Tyr Val Val Lys Val Phe Ser Leu Ala
                      85                      90                      95

Val Asn Leu Ile Ala Ile Asp Ser Gln Val Leu Cys Gly Ala Val Lys
                      100                      105                      110

Trp Leu Ile Leu Glu Lys Gln Lys Pro Asp Gly Val Phe Gln Glu Asp
                      115                      120                      125

Ala Pro Val Ile His Gln Glu Met Ile Gly Gly Leu Arg Asn Asn Asn
                      130                      135                      140

Glu Lys Asp Met Ala Leu Thr Ala Phe Val Leu Ile Ser Leu Gln Glu
145                      150                      155                      160

Ala Lys Asp Ile Cys Glu Glu Gln Val Arg Ser Leu Pro Gly Ser Ile
                      165                      170                      175

Thr Lys Ala Gly Asp Phe Leu Glu Ala Asn Tyr Met Asn Leu Gln Arg
                      180                      185                      190

Ser Tyr Thr Val Ala Ile Ala Gly Tyr Ala Leu Ala Gln Met Gly Arg
                      195                      200                      205

Leu Lys Gly Pro Leu Leu Asn Lys Phe Leu Thr Thr Ala Lys Asp Lys
                      210                      215                      220

Asn Arg Trp Glu Asp Pro Gly Lys Gln Leu Tyr Asn Val Glu Ala Thr
225                      230                      235                      240

Ser Tyr Ala Leu Leu Ala Leu Leu Gln Leu Lys Asp Phe Asp Phe Val
                      245                      250                      255

Pro Pro Val Val Arg Trp Leu Asn Glu Gln Arg Tyr Tyr Gly Gly Gly
                      260                      265                      270

Tyr Gly Ser Thr Gln Ala Thr Phe Met Val Phe Gln Ala Leu Ala Gln
                      275                      280                      285

Tyr Gln Lys Asp Ala Pro Asp His Gln Glu Leu Asn Leu Asp Val Ser
                      290                      295                      300

Leu Gln Leu Pro Ser Arg
305                      310

<210> 9
<211> 310
<212> PRT

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<213> Homo sapiens

<400> 9

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Met Leu Asp Ala Glu Arg Leu Lys His Leu Ile Val Thr Pro Ser Gly
1          5          10          15

Ala Gly Glu Gln Asn Met Ile Gly Met Thr Pro Thr Val Ile Ala Val
          20          25          30

His Tyr Leu Asp Glu Thr Glu Gln Trp Glu Lys Phe Gly Leu Glu Lys
          35          40          45

Arg Gln Gly Ala Leu Glu Leu Ile Lys Lys Gly Tyr Thr Gln Gln Leu
          50          55          60

Ala Phe Arg Gln Pro Ser Ser Ala Phe Ala Ala Phe Val Lys Arg Ala
65          70          75          80

Pro Ser Thr Trp Leu Thr Ala Tyr Val Val Lys Val Phe Ser Leu Ala
          85          90          95

Val Asn Leu Ile Ala Ile Asp Ser Gln Val Leu Cys Gly Ala Val Lys
          100          105          110

Trp Leu Arg Arg Glu Lys Gln Lys Pro Asp Gly Val Phe Gln Glu Asp
          115          120          125

Ala Pro Val Ile His Gln Glu Met Ile Gly Gly Leu Arg Asn Asn Asn
          130          135          140

Glu Lys Asp Met Ala Leu Thr Ala Phe Val Leu Ile Ser Leu Gln Glu
145          150          155          160

Ala Lys Asp Ile Cys Glu Glu Gln Val Ala Ser Leu Pro Gly Ser Ile
          165          170          175

Thr Lys Ala Gly Asp Phe Leu Glu Ala Asn Tyr Met Asn Leu Gln Arg
          180          185          190

Ser Tyr Thr Val Ala Ile Ala Gly Tyr Ala Leu Ala Gln Met Gly Arg
          195          200          205

Leu Lys Gly Pro Leu Leu Asn Lys Phe Leu Thr Thr Ala Lys Asp Lys
          210          215          220

Asn Arg Trp Glu Asp Pro Gly Lys Gln Leu Tyr Asn Val Glu Ala Thr
225          230          235          240

Ser Tyr Ala Leu Leu Ala Leu Leu Gln Leu Lys Asp Phe Asp Phe Val
          245          250          255

Pro Pro Val Val Arg Trp Leu Asn Glu Gln Arg Tyr Tyr Gly Gly Gly
          260          265          270

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Tyr Gly Ser Thr Gln Ala Thr Phe Met Val Phe Gln Ala Leu Ala Gln
 275 280 285

Tyr Gln Lys Asp Ala Pro Asp His Gln Glu Leu Asn Leu Asp Val Ser
 290 295 300

Leu Gln Leu Pro Ser Arg
 305 310